



CHIP RESISTORS – CR1 STYLE 0603 SERIES



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BASIC OVERVIEW

The CR series of high-power chip resistors are offered in standard values of 50Ω and 100Ω, with the capability of non-standard values between 10Ω and 200Ω. These resistors have a power handling capability of up to 250W with an operating temperature range from -55°C to +150°C and resistive tolerance as tight as ±2%. All resistor products are manufactured in ISO 9001 facilities.

APPLICATIONS

- High Power RF Amplifier
- Instrumentation
- Resistive Discrete Balun
- Dummy Loads
- Impedance Matching
- Shunt for Power Measuring

GENERAL CHARACTERISTICS

- Resistance: 100Ω standard, +/-5% standard
- Temperature Coefficient: <150 ppm/degree C
- Resistive Elements: Proprietary Thin Film
- Substrate Material: Aluminum Nitride
- Terminals: Silver
- Lead-Free, RoHS Compliant
- Reliability: MIL-PRF-55342
- Non-Magnetic

TOP SELLING POINTS / CHARACTERISTICS

- Non-Magnetic
- High Reliability
- RoHS Compliant
- MIL-PRF-55342 Qualified
- Designed for high-power applications
- New 0603 case size allows for miniaturization of RF power amplifiers

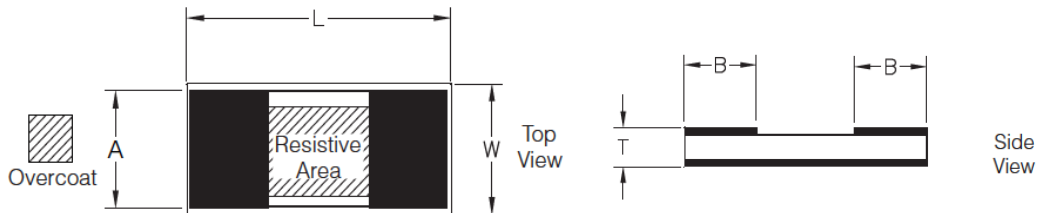
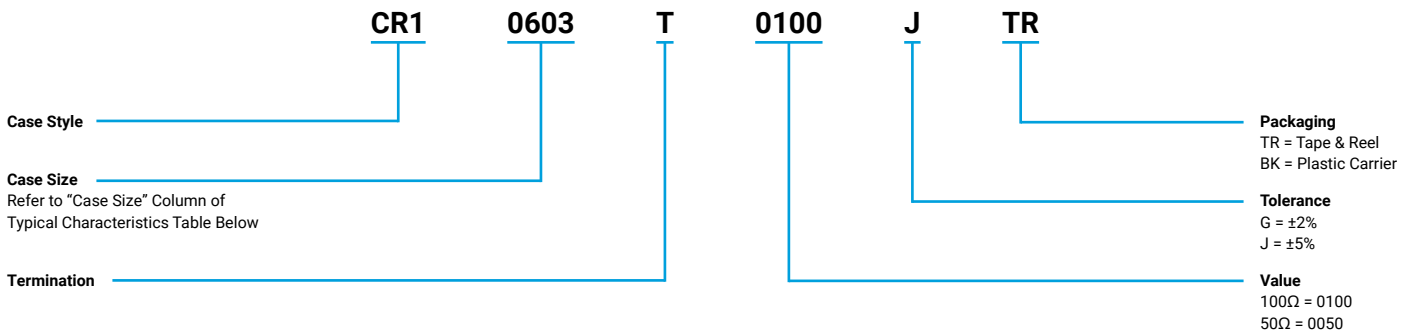




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PART NUMBER INFORMATION

Now Available in 0603!



TYPICAL CHARACTERISTICS

Case Size	Width ± 0.10	Length ± 0.10	Thickness ± 0.10	A ± 0.10	B (Typ.)	Capacitance (pF)	Power Max** (Watts)
0603	0.030	0.060	0.025	0.028	0.010	0.30	2.5
1005	0.050	0.100	0.025	0.045	0.020	0.75	5
1206	0.060	0.120	0.025	0.055	0.020	0.90	15
2010	0.100	0.200	0.040	0.090	0.020	1.00	30
2525	0.245	0.245	0.040	0.130	0.020	2.00	60
2525	0.245	0.245	0.040	0.130	0.020	2.00	100
3725	0.250	0.375	0.040	0.198	0.025	4.15	150
3737	0.370	0.370	0.040	0.330	0.025	6.00	250

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